

Docket No.: 8733.750.20-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Sang-Hyuk Lee

Customer No.: 30827

Application No.: Not Yet Assigned

Confirmation No.: TBA

Filed: Concurrently Herewith

Art Unit: N/A

For: ARRAY SUBSTRATE FOR IPS MODE
LIQUID CRYSTAL DISPLAY DEVICE

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new continuation patent application submitted herewith.

Copies of the references on the PTO/SB/08 are not provided.

Those patent(s) or publication(s) which are marked with a double asterisk (**) next to the Cite No. in the attached form PTO/SB/08 (facsimile) are not supplied because they were previously cited by or submitted to the Office in a prior application number 10/322,595 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0911, under Order No. 8733.361.10-US. A duplicate copy of this paper is enclosed.

Dated: February 23, 2004

Respectfully submitted,

By 
Rebecca Goldman Rudich

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1900 K Street, N.W.
Washington, DC 20006
(202) 496-7500
Attorney for Applicant

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	TBA
				Filing Date	February 23, 2004
				First Named Inventor	Sang-Hyuk LEE
				Art Unit	TBA
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	8733.750.20

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA				
	AB				
	AC				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	BA					
	BB					
	BC					

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	**	R. Kiefer, et al., "In-Plane Switching of Nematic Liquid Crystals." Japan Display, 1992, pp 547-550	
	**	M. Oh-e, et al., "Principles and Characteristics of Electro-Optical Behaviour with In-Plane Switching Mode." Asia Display, 1995, pp 577-580	
	**	M. Ohta, et al., "Development of Super-TFT-LCDs with In-Plane Switching Display Mode." Asia Display, 1995, pp 707-710	
	**	S. Matsumoto, et al., "Display Characteristic of In-Plane-Switching (IPS) LCDs and a Wide-Viewing-Angle 14.5-in. IPS TFT-LCD." Euro Display, 1996, pp 445-448	
	**	H. Wakemoto, et al., "An Advanced In-Plane-Switching Mode TFT-LCD." Science I. D. 1997, pp 929-932	
	**	S. H. Lee, et al., "High-Transmittance, Wide-Viewing-Angle Nematic Liquid Crystal Display controlled by Fringe-Field Switching." Asia display, 1998, pp 371-374	
	**	S. Endoh, et al., "Advanced 18.1-Inch Diagonal Super-TFT-LCDs with Mega Wide Viewing Angle and Fast Response speed of 20ms." IDW, 1999, pp 187	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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	**	5,598,285-	01-28-1997	Kondo et al.	
	**	5,745,207-	04-28-1998	Asada et al.	
	**	5,838,037-	11-17-1998	Masutani et al.	
	**	5,946,060-	08-31-1999	Nishiki et al.	
	**	5,990,987-	11-23-1999	Tanaka et al.	
	**	6,028,653-	02-22-2000	Nishida et al.	
	**	6,097,454-	08-01-2000	Zhang et al.	
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FOREIGN PATENT DOCUMENTS						
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	**	JP9005764A2	01-10-1997	Ogawa Kazuhiro, et al.		
	**	JP9105908A2	04-22-1997	Ashizawa Keiichiro, et al.		
	**	JP9101538A2	04-15-1997	Ota Masuyuki, et al.		
	**	JP9073101A2	03-18-1997	Ota Masuyuki, et al.		

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